800.0119   PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE
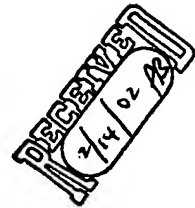
Applicant(s):   Pechanek et al.

Serial No.:   10/036,789

Filed: December 21, 2001

For: MANIFOLD ARRAY PROCESSOR

Group: Not yet assigned

Examiner: Not yet assigned

                                          February 14, 2002
                                          Chapel Hill, NC 27516

Commissioner for Patents   **RECEIVED**
Washington, DC 20231
                                                  MAY 2 4 2002

CERTIFICATION OF FACSIMILE TRANSMISSION   Technology Center 2100

Sirs:

        I hereby certify that the following papers are being facsimile transmitted to the Patent and
Trademark Office on the date shown below:

        1.   Fee Transmittal for FY 2002 (2 pages);
        2.   Amendment (4 pages);

                        Fax No.: 703-746-7239

                              Marianna Tortorelli
                              Printed name of person signing

                              Signature

Date: February 14, 2002

                                    1

FEE TRANSMITTAL
for FY 2002

Patent fees are subject to annual revision.

Complete if Known	
Application Number	10/036,789
Filing Date	December 21, 2002
First Named Inventor	Pechanek et al.
Examiner Name	Not Yet Assigned
Group Art Unit	Not Yet Assigned
Attorney Docket No.	800.0119

RECEIVED MAY 2 4 2002 Technology Center 2100

TOTAL AMOUNT OF PAYMENT	($) 42.00

METHOD OF PAYMENT

1. [X] The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

Deposit Account Number: 50-1058

Deposit Account Name: Law Offices of Peter H. Priest

[ ] Charge Any Additional Fee Required Under 37 CFR 1.16 and 1.17

[X] Applicant claims small entity status. See 37 CFR 1.27

2. [ ] Payment Enclosed:
[ ] Check [ ] Credit Card [ ] Money Order [ ] Other

FEE CALCULATION

1. BASIC FILING FEE

Large Entity Fee Code	Fee ($)	Small Entity Fee Code	Fee ($)	Fee Description	Fee Paid
101	740	201	370	Utility filing fee	
106	330	206	165	Design filing fee	
107	510	207	255	Plant filing fee	
108	740	208	370	Reissue filing fee	
114	160	214	80	Provisional filing fee	

SUBTOTAL (1) ($) 0

2. EXTRA CLAIM FEES

	Extra Claims	Fee from below	Fee Paid
Total Claims 14	-20**= 0	x 9 =	0.00
Independent Claims 4	-3**= 1	x 42 =	42.00
Multiple Dependent		=	

Large Entity Fee Code	Fee ($)	Small Entity Fee Code	Fee ($)	Fee Description
103	18	203	9	Claims in excess of 20
102	84	202	42	Independent claims in excess of 3
104	280	204	140	Multiple dependent claim, if not paid
109	84	209	42	**Reissue independent claims over original patent
110	18	210	9	**Reissue claims in excess of 20 and over original patent

SUBTOTAL (2) ($) 0

** or number previously paid, if greater; For Reissues, see above

FEE CALCULATION (continued)

3. ADDITIONAL FEES

Fee Code	Large Entity Fee ($)	Fee Code	Small Entity Fee ($)	Fee Description	Fee Paid
105	130	205	65	Surcharge – late filing fee or oath	
127	50	227	25	Surcharge – late provisional filing fee or cover sheet	
139	130	139	130	Non-English specification	
147	2,520	147	2,520	For filing a request for ex parte reexamination	
112	920*	112	920*	Requesting publication of SIR prior to Examiner action	
113	1,840*	113	1,840*	Requesting publication of SIR after Examiner action	
115	110	215	55	Extension for reply within first month	
116	400	216	200	Extension for reply within second month	
117	920	217	460	Extension for reply within third month	
118	1,440	218	720	Extension for reply within fourth month	
128	1,960	228	980	Extension for reply within fifth month	
119	320	219	160	Notice of Appeal	
120	320	220	160	Filing a brief in support of an appeal	
121	280	221	140	Request for oral hearing	
138	1,510	138	1,510	Petition to institute a public use proceeding	
140	110	240	55	Petition to revive – unavoidable	
141	1,280	241	640	Petition to revive – unintentional	
142	1,280	242	640	Utility issue fee (or reissue)	
143	460	243	230	Design issue fee	
144	620	244	310	Plant issue fee	
122	130	122	130	Petitions to the Commissioner	
123	50	123	50	Processing fee under 37 CFR 1.17(q)	
126	180	126	180	Submission of Information Disclosure Stmt	
581	40	581	40	Recording each patent assignment per property (times number of properties)	
146	740	246	370	Filing a submission after final rejection (37 CFR § 1.129(a))	
149	740	249	370	For each additional invention to be examined (37 CFR § 1.129(b))	
179	740	279	370	Request for Continued Examination (RCE)	
169	900	169	900	Request for expedited examination of a design application	

Other fee (specify) _____

*Reduced by Basic Filing Fee Paid

SUBTOTAL (3) ($) 0

SUBMITTED BY

Name (Print/Type)	Steven R. Quinley	Registration No. (Attorney/Agent)	47,012	Telephone	919-942-1434
Signature				Date	02/15/2002

Complete (if applicable)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant commissioner for Patents, Washington, DC 20231.

#3/B

800.0119   PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant(s):   Pechanek et al.

Serial No.:   10/036,789

Filed: December 21, 2001

For: MANIFOLD ARRAY PROCESSOR

Group: Not yet assigned

Examiner: Not yet assigned

February 14, 2002
Chapel Hill, NC 27516

Commissioner for Patents
Washington, DC 20231

SUPPLEMENTAL PRELIMINARY AMENDMENT

Sir:

Please amend the above identified application as follows:

In the Claims

Please cancel claims 2-15 without prejudice.

Please add the following new claims.

--44.   An array processor comprising:

a plurality of processing elements arranged in clusters, each cluster including processing

elements which communicate in mutually exclusive torus directions with the processing elements

of at least one other cluster; and

1